

Summary

A fuel injector (1) for fuel-injection systems of internal combustion engines includes an excitable actuator (10), a valve needle (3), which is in operative connection with the actuator (10) and acted upon in a closing direction by a restoring spring (23) to actuate a valve-closure member (4), which, together with a valve-seat surface (6) formed on a valve-seat body (5), forms a sealing seat; and having at least one spray-discharge orifice (7) which is formed in the valve-seat body (5). A guide region (37), which is formed in the valve-seat member (5) and in which the valve-closure member (4) is guided, is configured in such a way that it tapers conically in a flow direction of the fuel.

(Figure 2)